**Clean Energy in Light Bulbs**

Good morning everyone, I am 吴晨聪 from the Department of Electrical Engineering. Also, I’m the only student from electrical engineering in this class.

Alright! Electrical engineering, electrical means we are doing something close to electricity. And I strongly believe that some of you’ll feel like yes! I know, you are the people who climb up to the light bulb and fix it when it’s broken. Well… Indeed, you’re right. In your eyes, we are just fixing the device. However, in our eyes, electrical engineers, we focus on what we can use to light up the light bulbs, and how we can enhance the efficiency of the light bulbs. In other words, we tackle energy problems.

6 years ago, a terrifying typhoon distorted my hometown Macau. I witnessed the worst disaster in the past fifty years in Macau history which caused uncountable economic losses and even loss of life.

Indeed, the reason more and more climate problems appear these years is that human beings are using non-renewable fossil fuels on a large scale. Without clean energy transformation, our descendants will face a society with horrible environmental disasters. Sustainable and clean energy is the lifeblood of our modern society. Electrical engineering is one of the key solutions that the world needs.

Therefore, as a high school student, I started to do research and projects on clean energy with the professors at the University of Macau. I replaced the electrode of the traditional metal battery with an organic material that I synthesized on my own. Which can significantly enhance the performance of the battery and reduce the pollution to the environment. An innovation in clean energy batteries, it lights up my first light bulb in the clean energy revolution.

In Tsinghua, I met people who shared the same goals in the clean energy revolution as me. With my innovation in clean energy batteries, I formed a team and we are going to set up an organization about clean energy in Tsinghua, we are putting effort into calling out more people to focus on the energy issues nowadays. We are lighting up the light bulbs of energy revolution in their hearts.

In conclusion, electrical engineering is not only a field related to electricity but also revolves around energy, especially clean energy. As a student in electrical engineering, I stand at the forefront of the clean energy revolution and strive for a cleaner and greener future. That’s our work or I would say that’s our duty. Next time, when you are changing the light bulb, remember you are not only fixing the light bulbs but also lighting up the big light bulbs in the energy problems in the world.